

Title (en)
Quick coupling

Title (de)
Schnellkupplung

Title (fr)
Raccord rapide

Publication
EP 1840443 B1 20180530 (EN)

Application
EP 07004646 A 20070323

Priority
IT MI20060591 A 20060329

Abstract (en)
[origin: EP1840443A2] A quick coupling, for example of a female type, to be connected with a counterpart, of a male type, comprises, inside a valve body, downstream of an inlet fitting for receiving a pressurized fluid flow (F), a guide and conveying body (7) having a parabolic cross section, and a plurality of radially outwardly extending ribs, delimiting, circumferentially of the guide and conveying body, a plurality of flow channels communicating with an annular chamber (6) closed by a valve body (3).

IPC 8 full level
F16L 37/42 (2006.01)

CPC (source: EP US)
F16L 37/42 (2013.01 - EP US); **Y10T 137/87957** (2015.04 - EP US)

Citation (examination)
US 6655656 B2 20031202 - MALDAVS OJARS [US]

Cited by
EP2615350A1; US8425489B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1840443 A2 20071003; EP 1840443 A3 20120905; EP 1840443 B1 20180530; BR PI0701253 A2 20081111; BR PI0701253 B1 20180626; CA 2582854 A1 20070929; CA 2582854 C 20140923; CN 101046269 A 20071003; CN 101046269 B 20110119; IT MI20060591 A1 20070930; JP 2007263365 A 20071011; US 2007228313 A1 20071004; US 7815169 B2 20101019

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EP 07004646 A 20070323; BR PI0701253 A 20070329; CA 2582854 A 20070327; CN 200710089041 A 20070329; IT MI20060591 A 20060329; JP 2007066048 A 20070315; US 72841707 A 20070326